



PERSONNEL QUALIFICATIONS

Ryan N. Keesbury | Northbrook Facilities Area Lead



EXPERIENCE

Since joining WJE in 2004, Ryan Keesbury has worked on various materials testing and evaluation projects. Most of his experience is in concrete and aggregate testing, which includes tests such as concrete drying shrinkage, concrete compressive strength, concrete flexural strength, concrete freeze/thaw testing, concrete splitting tensile strength, concrete modulus of elasticity, plastic concrete testing, aggregate gradations, aggregate absorptions and specific gravity, and aggregate sample preparations.

Additionally, Mr. Keesbury's experience includes trial batching mixture proportions for self-consolidation concrete and high-performance concrete (HPC), sample preparation for petrographic analyses, sample preparation for chloride ion contents, and building test setups and forms. His field experience includes extraction of concrete cores, crack mapping of bridge decks, corrosion potential measurements, and concrete delamination surveys. Mr. Keesbury helps perform equipment calibration and verifications to maintain laboratory accreditation.

REPRESENTATIVE PROJECTS

Materials Evaluation and Research

- Illinois Tollway Authority: Trial batching and concrete testing for HPC
- Trial batching and concrete testing for self-consolidating concrete; admixture development
- National Cooperative Highway Research Program: Concrete testing for high-performance concrete development matrix

Testing and Instrumentation

- Montana Department of Transportation: Corrosion evaluation of four bridge decks; concrete core extraction, crack mapping, and corrosion potential measurements
- Illinois Tollway Authority: Cracking investigation of new concrete bridge deck; crack mapping and core extraction

EDUCATION

- James A. Rhodes State College
 - Associate of Applied Science, Civil Engineering Technology, Concrete Technology, 2004

PRACTICE AREAS

- Materials Evaluation and Research
- Quality Control Testing
- Testing and Instrumentation

REGISTRATIONS

- Certified Energy Manager
- Certified Facility Manager
- Facility Management Professional

PROFESSIONAL AFFILIATIONS

- American Concrete Institute
- Ohio Aggregates and Industrial Minerals Association

CONTACT

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